

## CLAIMS

What is claimed is:

1. A vaso-occlusive device, comprising:

5 a member having a length, at least a portion of the length having a  
serpentine shape when the member is in a relaxed condition.

2. The vaso-occlusive device of claim 1, wherein the member  
comprises a coil.

10 3. The vaso-occlusive device of claim 1, wherein substantially all of  
the length of the member has a serpentine shape when the member is in a  
relaxed condition.

15 4. The vaso-occlusive device of claim 1, wherein a distal portion of the  
member has a serpentine shape when the member is in a relaxed condition.

5. The vaso-occlusive device of claim 1, the member having a  
proximal portion, a middle portion and a distal portion, wherein the proximal  
portion and the distal portion have a serpentine shape, and the middle portion is  
20 a linear shape, respectively, when the member is in a relaxed condition.

6. The vaso-occlusive device of claim 1, wherein a proximal end of the member is electrolytically detachable from a delivery device.

7. The vaso-occlusive device of claim 1, wherein the serpentine shape  
5 comprises an amplitude of about 5-30 millimeters.

8. The vaso-occlusive device of claim 1, wherein the member, when  
tensioned in a stretched condition, has a length at least 15 times an amplitude of  
the serpentine shape.

9. The vaso-occlusive device of claim 1, wherein the member has a  
distal end having a substantially J-shaped tip.

10. The vaso-occlusive device of claim 1, further comprising a plurality  
15 of fibers fixedly attached to the member.

11. The vaso-occlusive device of claim 1, further comprising a  
polymeric fiber substantially covering the member.

12. The vaso-occlusive device of claim 11, wherein the polymeric fiber  
20 is wrapped around and onto a circumferential surface of the member.

13. The vaso-occlusive device of claim 1, wherein the member is stretch-resistant.

14. A method of occluding a selected site in a vessel with a vaso-occlusive device having a length, at least a portion of the length having a serpentine shape when the member is in a relaxed condition, the method comprising:

accessing the site with a delivery apparatus;

deploying the vaso-occlusive device from the delivery apparatus into the selected site of the vessel in a manner allowing a portion of the vaso-occlusive device to substantially assume its relaxed serpentine shape and form along a surface of the vessel at the site.